

DERWENT-ACC-NO: 1991-218505
DERWENT-WEEK: 199130
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TITLE: Polyolefin compsn. for crosslinked foam body for car interior - obtd. by adding ethylene-butadiene rubber to PP and PE resin mixt.

PATENT-ASSIGNEE: TONEN SEKIYU KAGAKU KK[TNEN]

PRIORITY-DATA: 1989JP-0277933 (October 25, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 03139535 A 000	June 13, 1991 N/A	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP03139535A October 25, 1989	N/A	1989JP-0277933

INT-CL (IPC): C08J009/06; C08L023/02

ABSTRACTED-PUB-NO: JP03139535A

BASIC-ABSTRACT: A polyolefin compsn. for crosslinked foam body is obtd. by adding 3-50 pts.wt. of ethylene-butadiene rubber to 100 pts.wt. of a resin mixt. consisting of 20-90 wt.% of polypropylene and 80-10 wt.% of polyethylene.

USE/ADVANTAGE - The obtd. foam body is used for car interior, various cushioning material, heat insulating material, vibration damping material, etc., because the foam has good surface, good mechanical strength, and reduced directional property in various physical properties and compression permanent set.

The polypropylene is e.g. propylene homopolymer and copolymer of propylene with ethylene or other alpha-olefin. The polypropylene has melt flow rate (JIS K 7210, load 2.16 Kg, 230 deg.C) 1-100 g/10min. The polyethylene is e.g. low density polyethylene, medium or high density polyethylene etc. with melt index (JIS K 7210, load 2.16 Kg, 190 deg.C) 0.5-50 g/10 min is used. The ethylene-butene rubber has Mooney viscosity 10-120 ML1+4 (100 deg.C) and melt index (MI, JISK 7210, load 2.16 Kg, 190 deg.C) 0.5-20 g/10 min.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

POLYOLEFIN COMPOSITION CROSSLINK FOAM BODY CAR INTERIOR
OBTAIN ADD POLYETHYLENE
POLYBUTADIENE RUBBER RESIN MIXTURE

DERWENT-CLASS: A17 A95

CPI-CODES: A04-B05; A04-G02B; A04-G03B; A04-G08; A07-A02A1;
A12-S04A2;
A12-S04A3;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0218 0231 0232 0234 3151 0239 0241 0246
0247 3153 0248 0250
0257 1095 2020 2536 2537 2562 2563 2600 2617 2629 2634 2635
2645 2697 2751 2828
3300 2844

Multipunch Codes: 014 032 034 04- 040 041 046 047 048 049
050 051 117 122 231
27& 331 437 473 49- 491 512 514 541 551 556 567 57& 572 573
575 58& 580 583 613
617 623 629 672 677 688 723

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-094939

DERWENT-ACC-NO: 1995-220852
DERWENT-WEEK: 199529
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TITLE: Crystalline propylene polymer compsns. - prep'd. by mixing ethylene-propylene block copolymer with crystalline propylene homopolymer.

PATENT-ASSIGNEE: CHISSO CORP [CHCC]

PRIORITY-DATA: 1993JP-0303344 (November 9, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 07133399 A	May 23, 1995	N/A
013	C08L 053/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP07133399A	N/A	1993JP-0303344
November 9, 1993		

INT-CL (IPC): C08K005/20; C08L053/00

ABSTRACTED-PUB-NO: JP07133399A

BASIC-ABSTRACT: A crystalline propylene polymer compsn. comprises mixing 100 pts.wt. of a crystalline ethylene-propylene block copolymer with an ethylene content of 3-20 wt.% per total polymer amt. contg. 70-95 wt.% of a first step polymer of a crystalline propylene homopolymer with a relationship of an isotactic pentad fraction (P) and a melt flow rate (MFR) of P being less than or equalling 1.00 and being greater than or equalling 0.015 logMFR plus 0.955 per total polymer amt. and then polymerising 30-5 wt.% ethylene or a mixt. of ethylene and propylene in at least one step per total polymer amt. with 0.001-1

pt.wt. of at least one amide cpd. of formula (1) and (2):

R2-NHCO-R1-CONH-R3 (1)

R5-CONH-R4-CONH-R6 (2)

R1 = satd. or unsatd. = 1-28C aliphatic, alicyclic or aromatic dicarboxylic acid residue; R2, R3 = 3-18C cycloalkyl or cycloalkenyl, 7-18C alkylphenyl, alkenylphenyl, cycloalkylphenyl, biphenyl, alkylcyclohexyl, alkenylcyclohexyl, cycloalkylcyclohexyl or phenylcyclohexyl or 7-10C phenylalkyl or cyclohexylalkyl; R4 = satd. or unsatd. 1-28C aliphatic, alicyclic or aromatic amino acid residue; R5, R6 = 3-18C cycloalkyl or cycloalkenyl, phenyl, 7-18C alkylphenyl, alkenylphenyl, cycloalkylphenyl, biphenyl, alkylcyclohexyl, alkenylcyclohexyl, cycloalkylcyclohexyl or phenylcyclohexyl or 7-10C phenylalkyl or cyclohexylalkyl.

ADVANTAGE - The crystalline propylene polymer compsns. can give mouldings with excellent tensile elongation, impact resistance and heat resistant rigidity.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CRYSTAL PROPYLENE POLYMER COMPOSITION PREPARATION MIX
ETHYLENE PROPYLENE BLOCK
COPOLYMER CRYSTAL PROPYLENE HOMOPOLYMER

DERWENT-CLASS: A17 E19

CPI-CODES: A04-G06A; A08-M10; E06-D03; E10-D03;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

G001 G002 G003 G010 G011 G012 G013 G019 G020 G021
G022 G029 G030 G033 G034 G035 G039 G040 G050 G100
G111 G112 G113 G221 G553 G563 G599 H715 H721 H722
H723 J0 J012 J3 J331 J332 J341 J342 J351 J352

J361 J362 J371 J372 M111 M113 M116 M119 M121 M122
M123 M125 M126 M129 M136 M139 M210 M211 M212 M213
M214 M215 M216 M220 M221 M222 M223 M224 M225 M226
M231 M232 M233 M240 M280 M281 M282 M311 M312 M313
M314 M315 M316 M320 M321 M322 M323 M331 M332 M333
M340 M342 M349 M372 M373 M381 M382 M391 M392 M414
M415 M510 M520 M530 M531 M532 M533 M540 M541 M542
M543 M781 M782 M903 M904 Q130 Q622 R038

Markush Compounds

199529-D8001-M 199529-D8001-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53

D58 D82 ;

R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58

D83 ; H0022

H0011 ; H0044*R H0011 ; L9999 L2528 L2506 ; S9999 S1387

; S9999

S1434 ; S9999 S1547 S1536 ; P1150 ; P1285

Polymer Index [1.2]

017 ; ND04 ; B9999 B4795 B4773 B4740 ; B9999 B3907

B3838 B3747 ;

B9999 B4159 B4091 B3838 B3747 ; B9999 B4079 B3930 B3838

B3747 ;

B9999 B3601 B3554 ; B9999 B4682 B4568 ; N9999 N6439 ;

N9999 N6202

N6177 ; N9999 N6484*R N6440 ; B9999 B5594 B5572 ; B9999

B4955 B4944

B4922 B4740

Polymer Index [1.3]

017 ; D01 D11 D10 D13*R D18*R D19 D18 D14 D13 D31 D32

D50 D89 D90

D91 D92 D93 D94 D95 F70 E00*R E21 E00 ; A999 A362 ;

A999 A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-101792

DERWENT-ACC-NO: 1995-204004
DERWENT-WEEK: 199527
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TITLE: Crystalline propylene! polymer compsn. of good resistance - prep'd. by blend di:anilide cpds. into crystalline ethylene!-propylene! block copolymer

PATENT-ASSIGNEE: CHISSO CORP [CHCC]

PRIORITY-DATA: 1993JP-0291390 (October 27, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 07118486 A	May 9, 1995	N/A
009	C08L 053/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
JP07118486A	N/A	1993JP-0291390
	October 27, 1993	

INT-CL (IPC): C08K005/20; C08L053/00

ABSTRACTED-PUB-NO: JP07118486A

BASIC-ABSTRACT: The crystalline propylene polymer compsn. is prep'd. by blending 0.001-1, pref. 0.01-0.5 pt. wt. of one or two amide cpds. selected from among adipic acid dianilide and suberic acid dianilide into 100 pts. wt. of a crystalline ethylene-propylene block copolymer which is obtd. by producing a 1st-step crystalline propylene homopolymer having an isotactic pentad content (P) and a melt flow rate (MFR) such that $P = 1.00 - 0.015 \log MFR + 0.955$, and then copolymerising 30-5 wt.% of ethylene or ethylene and propylene in one or more steps with 70-95 wt.% of the above propylene polymer and has an ethylene

content of 3-20 wt.%. The crystalline ethylene-propylene block copolymer has a max. isotactic pentad content of 1.00 and a melt flow rate of 0.05-10 g/10 min..

ADVANTAGE - The crystalline propylene polymer compsn. forms moulded prods. with high tensile elongation, excellent impact resistance and high rigidity under heat.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CRYSTAL POLYPROPYLENE POLYMER COMPOSITION RESISTANCE
PREPARATION BLEND DI
ANILIDE COMPOUND CRYSTAL POLYETHYLENE POLYPROPYLENE BLOCK
COPOLYMER

DERWENT-CLASS: A17 E14

CPI-CODES: A04-G03B; A04-G06A; A08-M10; E10-D03A;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

G010 G019 G100 J0 J012 J3 J342 M280 M314 M315
M321 M332 M342 M382 M391 M414 M510 M520 M532 M540
M781 M903 M904 Q130 Q622

Markush Compounds

199527-C8801-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53
D58 D83 ;

H0000 ; S9999 S1434 ; P1150 ; P1343

Polymer Index [1.2]

017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53
D58 D82 ;

R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58

D83 ; H0022

H0011 ; S9999 S1434 ; H0044*R H0011 ; P1150 ; P1285

Polymer Index [1.3]

017 ; ND04 ; K9745*R ; B9999 B4795 B4773 B4740 ; B9999
B4159 B4091

B3838 B3747 ; B9999 B3601 B3554 ; B9999 B4955 B4944
B4922 B4740
; B9999 B3907 B3838 B3747 ; B9999 B4079 B3930 B3838
B3747 ; B9999
B3178 ; K9461 ; N9999 N6439
Polymer Index [1.4]
017 ; D01 D11 D10 D19 D18 D32 D50 D94 F70 ; A999 A362 ;
A999 A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-094566

DERWENT-ACC-NO: 1989-195688
DERWENT-WEEK: 198927
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TITLE: Resin compsn. for exterior parts of car - comprises
crystalline
propylene!-ethylene! block copolymer amorphous
ethylene!-propylene! copolymer
and ion crystallinity copolymer

PATENT-ASSIGNEE: CHISSO CORP[CHCC]

PRIORITY-DATA: 1987JP-0288504 (November 17, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 01132649 A	May 25, 1989	N/A
005	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP01132649A	N/A	1987JP-0288504
November 17, 1987		

INT-CL (IPC): B60R019/03; C08L023/16 ; C08L053/00

ABSTRACTED-PUB-NO: JP01132649A

BASIC-ABSTRACT: Resin compsn. comprises crystalline propylene ethylene block copolymer with ethylene content 2-25 wt.%, 5-25 wt.% of amorphous ethylene-propylene copolymer and 1-10 wt.% of low crystallinity ethylene-butene copolymer.

Specifically the low crystallinity ethylene-butene copolymer has a density up to 0.910 g/cm³. The resin compsn. opt. contains up to 5 wt.% of ethylene type polymer with density at least 0.940 g/cm³. The crystalline propylene-ethylene block copolymer has a melt flow rate of 10-50 g/10 min. The

amorphous

ethylene-propylene copolymer has a Mooney viscosity ML1+4
(100 deg.C) of up to
50.

USE/ADVANTAGE - Resin compsn. is used for exterior parts of car. It has good impact resistance, moulding processability, appearance of moulding and chalking resistance of flow mark part in pretreatment (1,1,1-trichloroethane vapour cleaning) before coating.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

RESIN COMPOSITION EXTERIOR PART CAR COMPRISE CRYSTAL
POLYPROPYLENE POLYETHYLENE
BLOCK COPOLYMER AMORPHOUS POLYETHYLENE POLYPROPYLENE
COPOLYMER ION CRYSTAL
COPOLYMER

DERWENT-CLASS: A17 A95 Q17

CPI-CODES: A04-G06A; A07-A02D; A12-T04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0006 0218 0231 3151 0241 3153 0250 0257
2382 2545 2560 2562

2617 2640 2642 2645 3300 2829

Multipunch Codes: 014 029 034 036 04- 040 041 046 047 050
051 27& 402 405 42&

437 476 512 514 551 556 57& 575 577 578 58& 580 672

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1989-086539

Non-CPI Secondary Accession Numbers: N1989-149565